

Appendix A

# **Goals and Management Actions of Interim Shell Road Corridor Management Plan**



**Table A-1.** Alternative 1—No Change in Management

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
No access restrictions except cross-fencing	Little enforcement of current ban on off-road vehicle usage, fires, wood cutting	Little enforcement of current ban on shooting except for hunting	Little enforcement of trespass laws	Little enforcement of current ban on off-road camping, dumping, fires, and littering	No management  Some cooperation with user groups on trails
	Climbing allowed unrestricted	Little enforcement of ban on fires	Minimal posting of property boundaries	Little enforcement of laws and regulations	
	Hunting allowed unrestricted		Boundary maps not available to public	No posting of rules and regulations	
				No actions such as road closure during times of illegal activities	



**Table A-2.** Alternative 2—Resource Protection

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
Close road to public vehicle use year-round	Current ban of off road vehicle usage, fires, wood cutting	Enforce current ban on shooting except for hunting by permit	Post boundary maps	Post regulations	Grade/maintain road for management and fire control access
Develop parking area/trailhead at closure points	Allow hunting by permit in Peoria Mountain section	Enforce ban on hunting above (east) and below (to shoreline) PWMA access road	Post selected property boundaries where trespassing and problems occur	Enforce current ban on fires, camping, dumping, and littering	Enter memorandum of understanding (MOU) with California Department of Forestry and Fire Protection (CDF) to maintain road
Provide toilet at parking area	Designate climbing routes, areas, and route development only if further study shows climbing is impacting sensitive species	Close road to public vehicle use year-round	Close road to public vehicle use year-round	Park rangers and other law enforcement officers patrol area two to three times weekly	Develop climbing management plan if needed
Develop and implement trail planning				Close road to public vehicle use year-round	Develop hunting permit plan
Allow permitted group camping by reservation	Reseed/restore unauthorized roads and impacted areas				Develop trails plan
	Build designated trails per trails plan				Develop fire management plan
	Close and restore unauthorized trails				Utilize resource and recreation organizations as land steward partners
	Implement wildlife management plan				Close road to public vehicle use year-round
	Implement vegetative management plan				

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
	Develop and implement trails plan				
	Limit camping to group permitted camping by reservation only				
	Utilize organizations as stewards of the area				
	Environmental interpretation and education				
	Close road to public vehicle use year-round				

**Table A-3.** Alternative 3—Recreational Opportunities

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
No access restrictions except cross-fencing when road is open	Enforce current ban of off-road vehicle usage, fires, wood cutting	Enforce current ban on shooting except for hunting by permit	Post boundary maps	Post regulations	Grade/maintain road for seasonal public use
Develop parking area/trailhead at seasonal closure points	Designate climbing routes, areas, and route development only if further study shows climbing is impacting sensitive species	Ban hunting above (east of) PWMA access road	Post selected property boundaries where trespassing and problems occur	Enforce current ban of fires, camping, dumping, and littering	Enter MOU with CDF to maintain road
Provide toilet at parking area		Close road Dec 1–May 1	Close road Dec 1–May 1	Park rangers and other law enforcement officers patrol area two to three times weekly	Develop hunting permit plan
Develop and implement trail plan	Allow hunting by permit in PWMA access road corridor below road to shoreline			Utilize recreation organizations as stewards	Develop climbing education program
Allow permitted group camping by reservation	Construct vehicle barriers on unauthorized roads			Close road Dec 1–May 1	Develop trails plan
Enhance watchable wildlife programs	Reseed/restore unauthorized roads and impacted areas				Utilize resource and recreation organizations as land steward partners
Close road Dec 1–May 1					Close road Dec 1–May 1
	Build designated trails per trails plan				
	Enhance wildlife watching opportunities				
	Close road Dec 1–May 1				





**Table A-4.** Alternative 4 (Preferred Alternative)—Resource Protection and Recreation

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
Close road to public vehicle use year-round	Enforce current ban of off-road vehicle usage, fires, wood cutting	Enforce current ban on shooting	Post boundary maps	Post regulations	Grade/maintain road for management and fire control access
Develop parking area/trailhead at closure points	Allow hunting in Peoria Mountain section	Close road to public vehicle use year-round	Post selected property boundaries where trespassing and problems occur	Enforce current ban of camping, dumping, and littering	Enter MOU with CDF to maintain road
Provide toilet at parking area	Designate climbing routes, areas, and route development only if further study shows climbing is impacting sensitive species		Survey as necessary to determine unknown boundaries (budget for this)	Park rangers patrol area two to three times weekly	Develop climbing management plan if needed
Provide brochure/maps to inform public of recreation opportunities and areas			Close road to public vehicle use year-round	Enforce laws/regulations re: BLM and Cty SO	Work to establish MOU or contract with BLM and County Sheriff's Office for law enforcement
Develop and implement trails plan	Year-round road closure to public vehicle use			Close road to public vehicle use year-round	Develop trails plan
Allow permitted group camping by reservation	Build designated trails per trails plan			Utilize recreation organizations as stewards	Utilize resource and recreation organizations as land steward partners
	Close and restore unauthorized trails				Develop fire management plan
	Implement wildlife management plan				Close road to public vehicle use year-round
	Implement vegetative management plan				

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
	Environmental interpretation				
	Limit camping to group permitted camping by reservation only				
	Utilize recreation organizations as stewards				
	Reseed/restore unauthorized roads and impacted areas				

**Table A-5.** Alternative 5—Area Closed to Recreation

Goals					
Provide low-impact rural-natural recreation opportunities and maintain public access	Protect and restore natural, cultural, and wildlife resources	Assure visitor safety and compatible uses	Protect landowner rights	Eliminate illegal and inappropriate uses	Manage the area in a cost- and time-efficient manner (cooperatively)
Management Actions					
Year-round road and area closure to public vehicle use	Enforce current ban of off-road vehicle usage, fires, wood cutting	Enforce current ban on shooting	Post selected property boundaries where trespassing and problems occur	Post “No Trespassing”	Grade/maintain road for management and fire control access
	Allow hunting by permit in Peoria Mountain section	Year-round road and area closure to all public use	Survey as necessary to determine unknown boundaries (budget for this)	Current ban of camping, dumping, and littering	Enter MOU with CDF to maintain road
	Close and restore unauthorized trails			Park rangers patrol area two to three times weekly	Work to establish MOU or contract with BLM and County Sheriff’s Office for law enforcement
	Implement wildlife management plan		Year-round road and area closure to all public use	Enforce laws/regulation re: BLM and County Sheriff’s Office	Develop fire management plan
	Implement vegetative management plan			Year-round road and area closure to all public use	Develop hunting permit plan
	Reseed/restore unauthorized roads and impacted areas				Year-round road and area closure to all public use
	Year-round road and area closure to all public use				



Appendix B

## **Consultation and Coordination Documentation**





**United States Department of the Interior**  
**FISH AND WILDLIFE SERVICE**

Sacramento Fish and Wildlife Office  
2800 Cottage Way, Room W-2605  
Sacramento, California 95825



February 10, 2005

Document Number: 050210034621

Edward W. West, Ph.D.  
Jones & Stokes, Inc.  
2600 V Street  
Sacramento, CA 95818

Subject: Species List for Shell Road Corridor Environmental Assessment

Dear: Dr. West

We are sending this official species list in response to your February 10, 2005 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested. You have stated that this list is not for consultation with the Fish & Wildlife Service.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed, candidate and special concern species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be May 11, 2005.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at [sacramento.fws.gov/es/branches.htm](http://sacramento.fws.gov/es/branches.htm).

Endangered Species Division







**Federal Endangered and Threatened Species that Occur in  
or may be Affected by Projects in the Counties and/or  
U.S.G.S. 7 1/2 Minute Quads you requested**

Document Number: 050210034621

Database Last Updated: January 19, 2005

**Quad Lists**

**SONORA (458B)**

**Listed Species**

*Invertebrates*

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Fish*

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

*Amphibians*

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

*Birds*

*Haliaeetus leucocephalus* - bald eagle (T)

*Plants*

*Brodiaea pallida* - Chinese Camp brodiaea (T)

*Verbena californica* - Red Hills (=California) vervain (T)

**Candidate Species**

*Fish*

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

**Species of Concern**

*Invertebrates*

*Monadenia mormonum hirsuta* - Hirsute Sierra sideband snail (SC)

*Fish*

*Lavinia symmetricus* - Red Hills roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

**Amphibians**

*Rana boylei* - foothill yellow-legged frog (SC)

**Reptiles**

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

**Mammals**

*Corynorhinus* (=Plecotus) *townsendii townsendii* - Pacific western big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

**Plants**

*Allium jepsonii* - Jepson's onion (SC)

*Allium tuolumnense* - Rawhide Hill onion (SC)

*Arctostaphylos nissenana* - Nissenan manzanita (SC)

*Chlorogalum grandiflorum* - Red Hills soaproot (SC)

*Clarkia biloba ssp. australis* - Mariposa clarkia (SC)

*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)

*Helianthemum suffrutescens* - Amador (Bisbee Peak) rush-rose (SLC)

*Lomatium congdonii* - Congdon's lomatium (SC)

*Lupinus spectabilis* - shaggyhair lupine (SC)

### CHINESE CAMP (458C)

#### Listed Species

##### Invertebrates

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

##### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

##### Amphibians

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

##### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

##### Plants

*Brodiaea pallida* - Chinese Camp brodiaea (T)

*Senecio layneae* - Layne's butterweed (=ragwort) (T)

*Verbena californica* - Red Hills (=California) vervain (T)

#### Candidate Species

##### Fish

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

#### Species of Concern

##### Invertebrates

*Monadenia mormonum hirsuta* - Hirsute Sierra sideband snail (SC)

##### Fish

*Lavinia symmetricus* - Red Hills roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

##### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

#### Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

#### Birds

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

#### Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### Plants

*Allium tuolumnense* - Rawhide Hill onion (SC)

*Chlorogalum grandiflorum* - Red Hills soaproot (SC)

*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)

*Fritillaria agrestis* - stinkbells (SLC)

*Lomatium congdonii* - Congdon's lomatium (SC)

*Senecio clevelandii* var. *heterophyllus* - Red Hills ragwort (SLC)

### NEW MELONES DAM (459A)

#### Listed Species

*Invertebrates*

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Fish*

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

*Amphibians*

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

*Birds*

*Haliaeetus leucocephalus* - bald eagle (T)

*Plants*

*Brodiaea pallida* - Chinese Camp brodiaea (T)

**Candidate Species***Fish*

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

**Species of Concern***Fish*

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

*Reptiles*

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

*Birds*

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)  
*Chaetura vauxi* - Vaux's swift (SC)  
*Cypseloides niger* - black swift (SC)  
*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)  
*Empidonax traillii brewsteri* - little willow flycatcher (CA)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Grus canadensis tabida* - greater sandhill crane (CA)  
*Lanius ludovicianus* - loggerhead shrike (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

#### Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis ciliolabrum* - small-footed myotis bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### Plants

*Agrostis hendersonii* - Henderson's bent grass (SC)  
*Chlorogalum grandiflorum* - Red Hills soaproot (SC)  
*Clarkia rostrata* - beaked clarkia (SC)  
*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)  
*Eryngium spinosepalum* - spiny-sepaled coyote-thistle (=button-celery) (SC)  
*Lomatium congdonii* - Congdon's lomatium (SC)  
*Monardella douglasii ssp. venosa* - veiny monardella (SC)

### COPPEROPOLIS (459B)

#### Listed Species

##### Invertebrates

- Critical habitat, vernal pool invertebrates (X)  
*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)  
*Lepidurus packardi* - vernal pool tadpole shrimp (E)

##### Fish

*Hypomesus transpacificus* - delta smelt (T)  
*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)  
*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)  
*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

*Amphibians*

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

*Birds*

*Haliaeetus leucocephalus* - bald eagle (T)

*Plants*

- Critical habitat, vernal pool plants (X)

*Brodiaea pallida* - Chinese Camp brodiaea (T)

**Candidate Species***Fish*

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

**Species of Concern***Invertebrates*

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Lytta molesta* - molestan blister beetle (SC)

*Fish*

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

*Reptiles*

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

*Birds*

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Charadrius montanus* - mountain plover (SC)  
*Cypseloides niger* - black swift (SC)  
*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)  
*Empidonax traillii brewsteri* - little willow flycatcher (CA)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Grus canadensis tabida* - greater sandhill crane (CA)  
*Lanius ludovicianus* - loggerhead shrike (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

#### Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis ciliolabrum* - small-footed myotis bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### Plants

*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)

### KNIGHTS FERRY (459C)

#### Listed Species

##### Invertebrates

- Critical habitat, vernal pool invertebrates (X)  
*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)  
*Lepidurus packardi* - Critical habitat, vernal pool tadpole shrimp (X)  
*Lepidurus packardi* - vernal pool tadpole shrimp (E)

##### Fish

*Hypomesus transpacificus* - delta smelt (T)  
*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)  
*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)  
*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

##### Amphibians

*Ambystoma californiense* - California tiger salamander (T)  
*Rana aurora draytonii* - California red-legged frog (T)

##### Birds



*Haliaeetus leucocephalus* - bald eagle (T)

**Mammals**

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

**Plants**

- Critical habitat, vernal pool plants (X)

*Neostapfia colusana* - Colusa grass (T)

*Pseudobahia bahiifolia* - Hartweg's golden sunburst (E)

**Candidate Species**

**Fish**

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

**Species of Concern**

**Invertebrates**

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Lytta molesta* - molestan blister beetle (SC)

**Fish**

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

**Reptiles**

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Charadrius montanus* - mountain plover (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

#### Mammals

*Corynorhinus* (=Plecotus) *townsendii townsendii* - Pacific western big-eared bat (SC)

*Dipodomys heermanni dixonii* - Merced kangaroo rat (SC)

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### Plants

*Clarkia rostrata* - beaked clarkia (SC)

*Fritillaria agrestis* - stinkbells (SLC)

### KEYSTONE (459D)

#### Listed Species

##### Invertebrates

- Critical habitat, vernal pool invertebrates (X)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

##### Fish

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

##### Amphibians

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

##### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

##### Mammals

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

**Plants**

- Critical habitat, vernal pool plants (X)

*Verbena californica* - Red Hills (=California) vervain (T)

**Candidate Species**

**Fish**

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

**Species of Concern**

**Invertebrates**

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

**Fish**

*Lampetra ayresi* - river lamprey (SC)

*Lampetra hubbsi* - Kern brook lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Lavinia symmetricus* - Red Hills roach (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

**Reptiles**

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Charadrius montanus* - mountain plover (SC)

*Cypseloides niger* - black swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

#### Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)  
*Dipodomys heermanni dixonii* - Merced kangaroo rat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis ciliolabrum* - small-footed myotis bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### Plants

*Calycadenia hooveri* - Hoover's calycadenia (SLC)  
*Chlorogalum grandiflorum* - Red Hills soaproot (SC)  
*Lomatium congdonii* - Congdon's lomatium (SC)

### COLUMBIA (475C)

#### Listed Species

##### Invertebrates

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

##### Fish

*Hypomesus transpacificus* - delta smelt (T)  
*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

##### Amphibians

*Ambystoma californiense* - California tiger salamander (T)  
*Rana aurora draytonii* - California red-legged frog (T)

##### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

#### Species of Concern

##### Fish

*Lavinia symmetricus* - Red Hills roach (SC)  
*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

#### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

#### Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

#### Birds

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Selasphorus rufus* - rufous hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

#### Mammals

*Euderma maculatum* - spotted bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

#### Plants

*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)

*Erythronium tuolumnense* - Tuolumne fawn lily (SC)

*Iris hartwegii ssp columbiana* - Tuolumne (=rainbow) iris (SLC)

### SALT SPRING VALLEY (476C)

#### Listed Species

##### Invertebrates

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

##### Fish

*Hypomesus transpacificus* - delta smelt (T)  
*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

#### Amphibians

*Ambystoma californiense* - California tiger salamander (T)  
*Rana aurora draytonii* - California red-legged frog (T)

#### Birds

*Haliaeetus leucocephalus* - bald eagle (T)

### Candidate Species

#### Fish

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

### Species of Concern

#### Fish

*Lampetra hubbsi* - Kern brook lamprey (SC)  
*Pogonichthys macrolepidotus* - Sacramento splittail (SC)  
*Spirinchus thaleichthys* - longfin smelt (SC)

#### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)  
*Spea hammondi* - western spadefoot toad (SC)

#### Reptiles

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)  
*Clemmys marmorata pallida* - southwestern pond turtle (SC)  
*Phrynosoma coronatum frontale* - California horned lizard (SC)

#### Birds

*Agelaius tricolor* - tricolored blackbird (SC)  
*Amphispiza belli belli* - Bell's sage sparrow (SC)  
*Athene cunicularia hypugaea* - western burrowing owl (SC)  
*Baeolophus inornatus* - oak titmouse (SLC)  
*Carduelis lawrencei* - Lawrence's goldfinch (SC)  
*Chaetura vauxi* - Vaux's swift (SC)  
*Cypseloides niger* - black swift (SC)  
*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)  
*Empidonax traillii brewsteri* - little willow flycatcher (CA)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Grus canadensis tabida* - greater sandhill crane (CA)  
*Lanius ludovicianus* - loggerhead shrike (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

**Mammals**

*Corynorhinus* (= *Plecotus*) *townsendii townsendii* - Pacific western big-eared bat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

**Plants**

*Eryngium pinnatisectum* - Tuolumne coyote-thistle (=button-celery) (SC)

**ANGELS CAMP (476D)****Listed Species****Invertebrates**

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

**Fish**

*Hypomesus transpacificus* - delta smelt (T)  
*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

**Amphibians**

*Ambystoma californiense* - California tiger salamander (T)  
*Rana aurora draytonii* - California red-legged frog (T)

**Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

**Species of Concern****Fish**

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)  
*Spirinchus thaleichthys* - longfin smelt (SC)

**Amphibians**

*Rana boylei* - foothill yellow-legged frog (SC)  
*Spea hammondi* - western spadefoot toad (SC)

**Reptiles**

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)  
*Clemmys marmorata pallida* - southwestern pond turtle (SC)  
*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

*Agelaius tricolor* - tricolored blackbird (SC)  
*Amphispiza belli belli* - Bell's sage sparrow (SC)  
*Athene cunicularia hypugaea* - western burrowing owl (SC)  
*Baeolophus inornatus* - oak titmouse (SLC)  
*Carduelis lawrencei* - Lawrence's goldfinch (SC)  
*Chaetura vauxi* - Vaux's swift (SC)  
*Cypseloides niger* - black swift (SC)  
*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)  
*Empidonax traillii brewsteri* - little willow flycatcher (CA)  
*Falco peregrinus anatum* - American peregrine falcon (D)  
*Grus canadensis tabida* - greater sandhill crane (CA)  
*Lanius ludovicianus* - loggerhead shrike (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

**Mammals**

*Corynorhinus* (=Plecotus) *townsendii townsendii* - Pacific western big-eared bat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)

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**County Lists****Butte County****Listed Species****Invertebrates**

*Branchinecta conservatio* - Conservancy fairy shrimp (E)  
*Branchinecta lynchi* - Critical habitat, vernal pool fairy shrimp (X)  
*Branchinecta lynchi* - vernal pool fairy shrimp (T)  
*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)



*Lepidurus packardi* - Critical habitat, vernal pool tadpole shrimp (X)

*Lepidurus packardi* - vernal pool tadpole shrimp (E)

#### **Fish**

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Oncorhynchus tshawytscha* - Critical habitat, winter-run chinook salmon (E) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

#### **Amphibians**

*Ambystoma californiense* - California tiger salamander (T)

*Rana aurora draytonii* - California red-legged frog (T)

#### **Reptiles**

*Thamnophis gigas* - giant garter snake (T)

#### **Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

#### **Plants**

*Chamaesyce hooveri* - Hoover's spurge (T)

*Limnanthes floccosa* ssp. *californica* - Butte County (Shippee) meadowfoam (E)

*Orcuttia pilosa* - hairy Orcutt grass (E)

*Orcuttia tenuis* - slender Orcutt grass (T)

*Tuctoria greenei* - Greene's tuctoria (=Orcutt grass) (E)

#### **Proposed Species**

##### **Amphibians**

*Rana aurora draytonii* - Critical habitat, California red-legged frog (Proposed) (PX)

#### **Candidate Species**

##### **Fish**

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

*Oncorhynchus tshawytscha* - Critical habitat, Central Valley fall/late fall-run chinook (C) (NMFS)

##### **Amphibians**

*Rana muscosa* - mountain yellow-legged frog (C)

##### **Birds**

*Coccyzus americanus occidentalis* - Western yellow-billed cuckoo (C)

**Mammals**

*Martes pennanti* - fisher (C)

**Species of Concern****Invertebrates**

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Cicindela hirticollis abrupta* - Sacramento Valley tiger beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

**Fish**

*Lampetra ayresi* - river lamprey (SC)

*Pogonichthys macrolepidotus* - Sacramento splittail (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

**Amphibians**

*Rana boylei* - foothill yellow-legged frog (SC)

*Rana cascadae* - Cascades frog (SC)

*Spea hammondi* - western spadefoot toad (SC)

**Reptiles**

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

*Accipiter gentilis* - northern goshawk (SC)

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Botaurus lentiginosus* - American bittern (SC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Buteo Swainsoni* - Swainson's hawk (CA)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cinclus mexicanus* - American dipper (SLC)

*Contopus cooperi* - olive-sided flycatcher (SC)

*Cypseloides niger* - black swift (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Otus flammeolus* - flammulated owl (SC)

*Picoides albolarvatus* - white-headed woodpecker (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Plegadis chihi* - white-faced ibis (SC)  
*Riparia riparia* - bank swallow (CA)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Sphyrapicus ruber* - red-breasted sapsucker (SC)  
*Strix occidentalis occidentalis* - California spotted owl (SC)  
*Toxostoma redivivum* - California thrasher (SC)

#### Mammals

*Corynorhinus* (=Plecotus) *townsendii pallescens* - pale Townsend's big-eared bat (SC)  
*Corynorhinus* (=Plecotus) *townsendii townsendii* - Pacific western big-eared bat (SC)  
*Dipodomys californicus eximius* - Marysville Heermann's kangaroo rat (SC)  
*Euderma maculatum* - spotted bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Lepus americanus tahoensis* - Sierra Nevada snowshoe hare (SC)  
*Myotis ciliolabrum* - small-footed myotis bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

#### Plants

*Agrostis hendersonii* - Henderson's bent grass (SC)  
*Allium jepsonii* - Jepson's onion (SC)  
*Astragalus tener var. ferrisiae* - Ferris's milk-vetch (SC)  
*Atriplex cordulata* - heartscale (SC)  
*Atriplex depressa* - brittlescale (SC)  
*Atriplex minuscula* - lesser saltscale (SC)  
*Atriplex subtilis* - subtle orache (SLC)  
*Balsamorhiza macrolepis var macrolepis* - big-scale (=California) balsamroot (SLC)  
*Botrychium ascendens* - upswept moonwort (SC)  
*Botrychium crenulatum* - scalloped moonwort (SC)  
*Calycadenia oppositifolia* - Butte County calycadenia (SLC)  
*Calystegia atriplicifolia ssp. buttensis* - Butte County morning-glory (SC)  
*Castilleja rubicundula ssp. rubicundula* - pink creamsacs (SLC)  
*Clarkia biloba ssp. brandegeae* - Brandege's clarkia (SLC)  
*Clarkia gracilis ssp. albicaulis* - white-stemmed (=whitestem) clarkia (SLC)  
*Clarkia mosquinii ssp. mosquinii* - Mosquin's clarkia (SC)  
*Clarkia mosquinii ssp. xerophila* - Enterprise clarkia (SC)  
*Cypripedium fasciculatum* - clustered lady's-slipper (SC)  
*Fritillaria eastwoodiae* - Butte fritillary (SC)  
*Fritillaria pluriflora* - adobe lily (SC)  
*Juncus leiospermus var. ahartii* - Ahart's (dwarf) rush (SC)  
*Juncus leiospermus var. leiospermus* - Red Bluff (dwarf) rush (SC)  
*Lewisia cantelowii* - Cantelow's lewisia (SC)  
*Lupinus dalesiae* - Quincy lupine (SC)  
*Monardella douglasii ssp. venosa* - veiny monardella (SC)  
*Myosurus minimus ssp. apus* - little mousetail (SC)  
*Paronychia ahartii* - Ahart's whitlow-wort (=Ahart's paronychia) (SC)

*Penstemon personatus* - closed-lip (closed-throated) beardtongue (SC)  
*Rhynchospora californica* - California beaked-rush (SC)  
*Rupertia hallii* - Hall's rupertia (=Hall's California tea) (SLC)  
*Sagittaria sanfordii* - valley sagittaria (=Sanford's arrowhead) (SC)  
*Sedum albomarginatum* - Feather River stonecrop (SC)  
*Senecio* (=Packera) *eurycephalus* var *lewisrosei* - cut-leaved ragwort (SLC)  
*Sidalcea robusta* - Butte County sidalcea (=checkerbloom) (SC)  
*Silene occidentalis* ssp. *longistipitata* - Butte County catchfly (=long-stiped campion) (SC)  
*Trifolium jokerstii* - Butte County golden (=Jim's) clover (SLC)

**Key:**

(E) *Endangered* - Listed (in the Federal Register) as being in danger of extinction.  
 (T) *Threatened* - Listed as likely to become endangered within the foreseeable future.  
 (P) *Proposed* - Officially proposed (in the Federal Register) for listing as endangered or threatened.  
 (NMFS) Species under the Jurisdiction of the National Marine Fisheries Service. Consult with them directly about these species.  
*Critical Habitat* - Area essential to the conservation of a species.  
 (PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.  
 (C) *Candidate* - Candidate to become a proposed species.  
 (CA) Listed by the State of California but not by the Fish & Wildlife Service.  
 (D) *Delisted* - Species will be monitored for 5 years.  
 (SC) *Species of Concern*/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish & Wildlife Office.  
 (X) *Critical Habitat* designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, or may be affected by projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

### Plants

Any plants on your list are ones that have actually been observed in the quad or quads covered by the list. Plants may exist in

an area without ever having been detected there. You can find out what's in the nine surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

## Surveying

Some of the species on your list may not be affected by your project. A trained biologist or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

## State-Listed Species

If a species has been listed as threatened or endangered by the State of California, but not by us nor by the National Marine Fisheries Service, it will appear on your list as a Species of Concern. However you should contact the California Department of Fish and Game [Wildlife and Habitat Data Analysis Branch](#) for official information about these species.

## Your Responsibilities Under the Endangered Species Act

All plants and animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

### Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

## Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [critical habitat page](#) for maps.

### **Candidate Species**

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

### **Species of Concern**

Your list may contain a section called Species of Concern. This is an informal term that refers to those species that the Sacramento Fish and Wildlife Office believes might be in need of concentrated conservation actions. Such conservation actions vary depending on the health of the populations and degree and types of threats. At one extreme, there may only need to be periodic monitoring of populations and threats to the species and its habitat. At the other extreme, a species may need to be listed as a Federal threatened or endangered species. Species of concern receive no legal protection and the use of the term does not necessarily mean that the species will eventually be proposed for listing as a threatened or endangered species.

### **Wetlands**

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6580.

### **Updates**

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed, candidate and special concern species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be May 11, 2005.



## Jones & Stokes Associates, Inc.

2600 V Street • Sacramento, CA 95818-1914 • 916/737-3000 • Fax 916/737-3030

☐ Mail

☒ Fax

☐ Overnight

☐ Courier

To: Debbie Treadway  
Native American Heritage Commission  
915 Capitol Mall, #364  
Sacramento, CA 95814  
(916)657-5390

Date: 10 January 2005  
Client: Bureau of Reclamation  
Project: Shell Road Closure  
Project #: \_\_\_\_\_

Subject: Cultural Resource Study in Tuolumne County

☒ Enclosure(s)

☐ Per your request

☐ For your review

☒ For your information/use

☐ Other \_\_\_\_\_

3 Total pages faxed

Original will follow by mail ☐ yes ☒ no

Quantity

Description

2

Project Location Map

### Message:

Jones & Stokes is conducting a cultural resources study for U.S. Bureau of Reclamation Shell Road Closure Project. The study area encompasses approximately 1.5 miles of road just south of New Melones Reservoir and three small staging areas in the vicinity (see enclosed maps). The project area is located in T1N R13E and T1N R14E, Sects. 19, 20, and 23. Because the project is on BOR property, cultural resource studies for this project will be performed in accordance with Section 106 of the National Historic Preservation Act. The current study is being undertaken to address the effects of closing the road to public vehicles and limiting access to horses and bicycles.

We are seeking comments from Native American representatives and would greatly appreciate your sending us a list of Native American representatives that might be interested in activities in this area. Also please consult your inventory of sacred lands. Please call me if you have any questions.

Thank you for your cooperation in this matter.

Sincerely,

Christiaan Havelaar **FAX 737-3030**

From: Christiaan Havelaar

CC: \_\_\_\_\_

## NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 364  
SACRAMENTO, CA 95814  
(916) 653-4082  
Fax (916) 657-5380  
Web Site [www.nahc.ca.gov](http://www.nahc.ca.gov)



January 21, 2005

Christiaan Havelaar  
Jones & Stokes Associates, Inc.  
2600 V Street  
Sacramento, CA 95818

Sent by Fax: 916-737-3030  
Number of Pages: 2

RE: Proposed Shell Road Closure project, Tuolumne County

Dear Ms. Havelaar:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

  
Debbie Pilas-Treadway  
Environmental Specialist III



01/21/2005 11:01 FAX 916 657 5580 NAME  
**Native American Contacts**  
Tuolumne County  
January 20, 2005

002/002

**Chicken Ranch Rancheria of Me-Wuk**

Lloyd Mathiesen, Chairperson

P.O. Box 1159

Miwok - Me-wuk ✓

Jamestown, CA 95327

chixranch@lodelink.com

(209) 984-4806

(209) 984-5606 Fax

**Chicken Ranch Rancheria of Me-Wuk Indians**

Melissa Powell, Cultural Resources Coordinator

P.O. Box 1159

Miwok/Me-wuk ✓

Jamestown, CA 95327

chixranch@lodelink.com

(209) 984-4806

(209) 984-5606

**Tuolumne Band of Me-Wuk**

Reba Fuller

P.O. Box 699

Me-Wuk - Miwok ✓

Tuolumne, CA 95379

(209) 928-3475 - Tribal Office

(209) 928-1677 - Fax

**Tuolumne Band of Me-Wuk**

Kevin Day, Chairperson

P.O. Box 699

Me-Wuk - Miwok ✓

Tuolumne, CA 95379

(209) 928-3475 - Tribal Office

(209) 928-1677 - Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resource assessment for the proposed Shell Road Closure project, Tuolumne County.



January 25, 2005

Tuolumne Band of Me-Wuk  
Kevin Day, Chairperson  
P.O. Box 699  
Tuolumne, CA 95379

Subject: Shell Road Corridor Project, Tuolumne County

Dear Mr. Day,

United States Bureau of Reclamation (BOR) hired Jones & Stokes to conduct a cultural resources study for the proposed Shell Road Corridor Project. Federal permits through the U.S. Army Corps of Engineers (Corps) are required for the project, mandating compliance with Section 106 of the National Historic Preservation Act.

As part of our efforts to identify cultural resources and assist the Corps and PCWA with Section 106 compliance, we are seeking information from Native Americans regarding cultural resources.

The project area is located just south of the New Melones Dam Reservoir along the western base of Table Mountain in Tuolumne County (see enclosed maps). The project will permanently close a segment of Shell Road to all vehicular traffic. The road was initially closed due to the impacts created by local and non-local recreationists. The area has been descimated by off-road vehicle travel and damage to native plant species due to dumping of trash, creating serious soil erosion, habitat destruction, sedimentation, and other resource damages. Because of this, BOR is looking at alternatives to restrict road access to pedestrian, bicycle, and equestrian traffic only. The project area also includes three staging areas to be used for visitor parking that will include basic services such as toilets and water.

If you have further information needs, please contact me at the number below. Also, if you know of cultural resources that may be affected by the proposed project, please contact me so we can inform the Corps. Thank you for your assistance.

Sincerely,

Christiaan Havelaar  
Archaeologist

Enclosures



# Jones & Stokes

January 25, 2005

Chicken Ranch Rancheria of Me-Wuk  
Melissa Powell, Cultural Resources Coordinator  
P.O. Box 1159  
Jamestown, CA 95327

Subject: Shell Road Corridor Project, Tuolumne County

Dear Ms. Powell,

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Enclosures



# Jones & Stokes

January 25, 2005

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Lloyd Mathiesen, Chairperson  
P.O. Box 1159  
Jamestown, CA 95327

Subject: Shell Road Corridor Project, Tuolumne County

Dear Mr. Mathiesen,

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Archaeologist

Enclosures



# Jones & Stokes

January 25, 2005

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Reba Fuller  
P.O. Box 699  
Tuolumne, CA 95379

Subject: Shell Road Corridor Project, Tuolumne County

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